

LIMESTONE AND DOLOMITE THROUGH GEOLOGICAL TIMES

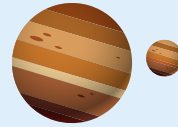
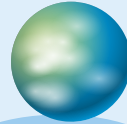
Algae, bacteria

OUTGASSING PRODUCES PRIMITIVE ATMOSPHERE



1

OLDEST KNOWN FOSSILS-
CYANOBACTERIA-FORMING
STROMATOLITES



4,600 Ma



2

FIRST MULTICELLED
ORGANISMS
1,000 Ma



3

Invertebrates

2,500 Ma

OXYGEN ACCUMULATES
IN ATMOSPHERE 2,200 Ma

INVERTEBRATES
DOMINATE THE SEA



FIRST INSECTS



6

FISHES FLOURISH



FIRST JAWLESS FISH

542 Ma



4



7

FIRST AMPHIBIANS



DEVONIAN PERIOD

359 Ma



5

GYMNASPERMS FLOURISH



FIRST REPTILES



DOMINANCE OF AMPHIBIANS



EXTENSIVE COAL SWAMPS



8

FIRST DINOSAURS



DINOSAURS DOMINATE



FIRST MAMMALS



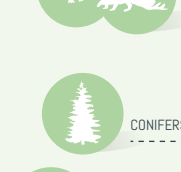
251 Ma

GREAT PERMIAN EXTINCTION



9

Reptiles



10

FIRST BIRDS



CONIFERS ABUNDANT



FIRST FLOWERING PLANTS



65,5 Ma

EXTINCTION OF DINOSAURS
AND MANY OTHER SPECIES



11

FIRST HORSES



MAMMALS, BIRDS, INSECTS
AND FLOWERING PLANTS FLOURISH

Mammals, birds



12

GRASSLANDS WIDESPREAD



2,53 Ma

QUATERNARY PERIOD

TODAY

FIRST PRIMATES



FIRST WHALES



FIRST APES



EXTINCTION OF MANY GIANT MAMMALS



EVOLUTION OF GENUS HOMO

